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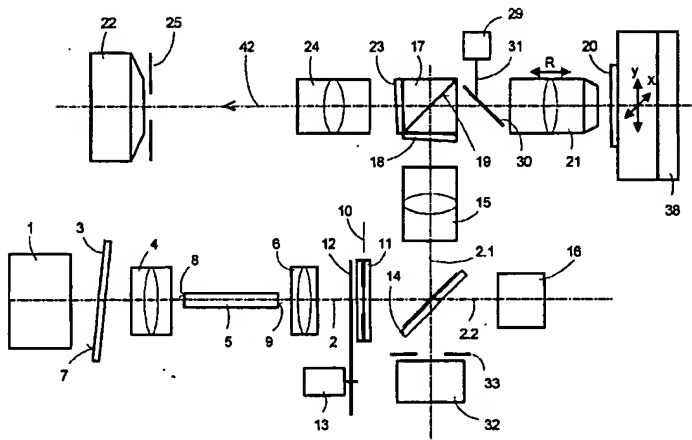
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(54) Title: MICROSCOPE ARRANGEMENT (54)



(57) Abstract: The invention relates to a microscope arrangement which comprises an illumination source (1), optical components for generating an illumination beam path, an objective [lens] (21) through which the illumination beam path is directed onto a sample (20) which is present in the object plane of the objective [lens] (21) or in the proximity thereof, and optical components for generating an imaging beam path directed onto the receiving surface of a camera (22). According to the invention, the microscope arrangement of the aforementioned type is provided with a homogenizing unit (5) for homogenizing the illumination light that is incident on the sample section to be examined. Said homogenizing unit (5) makes it possible to illuminate the object plane of the microscope arrangement and thus the subsection of a sample (20) present in the object plane or in the proximity thereof in a homogeneous manner, thereby improving the quality of reproduction of said sample section and resulting in a higher measuring accuracy and thus in a higher reproducibility.

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